2021 CERTIFICATION H-WATER SUPPLY

Consumer Confidence Report 2028 Nov. - 1 PM 2:58

PRINT/Public Water System Name
0350003, 0350007, 0350023, 0350025
List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes that apply)	
INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
Advertisement in local paper (Attach copy of advertisement)	4-28-22
On water bill (Attach copy of bill)	6-1-22
□ Email message (Email the message to the address below)	
□ Other (Describe:)	
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□ Distributed via Email as text within the body of email message	
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□ Posted in public places (attach list of locations or list here)	
□ Posted online at the following address (Provide direct URL):	
CERTIFICATION I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its custome the appropriate distribution method(s) based on population served. Furthermore, I certify that the information of is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR required for Federal Regulations (CFR) Title 40, Part 141.151 – 155.	contained in the report
Name Title	Date
SUBMISSION OPTIONS (Select one method ONLY)	
You must email or mail a copy of the CCR, Certification, and associated proof of delive	ery method(s) to

the MSDH, Bureau of Public Water Supply.

Email: water.reports@msdh.ms.gov

Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215

2021 Annual Drinking Water Quality Report Northwest Kemper Water Association PWS#: 350003, 350007, 350023, 350025 April 2022

RECEIVED MSDH-WATER SUPPLY

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to providing you with information because informed customers are our best allies.

If you have any questions about this report or concerning your water utility, please contact Wayne Smith at 601.677.3558. We want our valued customers to be informed about their water utility. If you want to learn more, please join us for the annual meeting scheduled for second Tuesday of August at 7:00 PM at the Preston Office.

Our water source is from wells drawing from the Lower Wilcox Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Northwest Kemper Water Association have received lower rankings in terms of susceptibility to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Level 1 Assessment: A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A very detailed study of the water system to identify potential problems and determine (if Possible) why an E.coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system.

PWS ID#	# 350003 -	Preston		TEST RESU	LTS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic	Contam	inants						
10. Barium	N	2019*	.0114	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries erosion of natural deposits

17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2021	.793	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	2100	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	n By-I	Products						
81. HAA5	N	2021	3.91	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	9.44	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	1.25 – 171	mg/l	0	MRDL = 4	Water additive used to control microbes

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic	Contami	inants						
10. Barium	N	2019*	.0402	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
17. Lead	N	2018/20 *	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	2400	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	on By-Pr	oducts						
Chlorine	N	2021	1.4	1 – 2.01	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID # 3	Violation	Date	Level	Range of Detects or	Unit	MCL	MCL	Likely Source of Contamination
Contaminant	Y/N	Collected	Detected	# of Samples Exceeding MCL/ACL/MRDL	Measure -ment	G	WCL	Likely Source of Contamination
Inorganic (Contam	inants						
10. Barium	N	2019*	.0476	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	13000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	a By-Pr	oducts						
81. HAA5	N	2018*	2	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2018*	1.23	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	.6 – 1.77	mg/l	0	MRDL = 4	Water additive used to control

				microbes
				IIIIOIODCG

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding	Unit Measure	MCL G	MCL	Likely Source of Contamination
				MCL/ACL/MRDL	-ment			
Inorganic	Contam	inants						
10. Barium	N	2020*	.063	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Sodium	N	2019*	1800	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	on By-Pr	oducts			_			Sewage Effluents.
Chlorine	N	2021	1.4	1.01 – 1.5	mg/l	0	MRDL = 4	Water additive used to control microbes

^{*} Most recent sample. No sample required for 2021.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Northwest Kemper Water Association has almost 1,800 meters and over 650 miles of pipe providing clean, fresh water to over 4,600 residents in parts of 5 counties in east central Mississippi. Our commitment to service is evidenced by receiving the highest available rating from the Mississippi State Department of Health during our annual inspections.

Please Note: You may obtain a copy of this report at our office at 10798 HWY 397 in Preston or call us at 601.677.3558.

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2021 Annual Drinking Water Quinty Report Northwest Kemper Water Association PWS#: 35003, 35002, 350025 April 2025

White pleases to present to you this year's Amual Chainty Vraine Report. This report is designed to aform you about the quality water arrives we about to you expectly. An containing poil to properly you will be seen to you expectly a containing the other and the containing and the containing and the containing the other as make to declinately imprese the adent beatment process and protect for water the committee of providing you will information because informed customers are out best about the containing you will information because informed customers are out best about

Versitive any operation about the report of devocating your water utility, theses contact Wayne Smith at 601 677,055s. We want our valued conforms to be informed about their mann utility, it you want to summ more, please too to. for the issuant meeting scheduled for second Teastar of August at 7 50 PAI at the President Contact and the Charles of August at 7 50 PAI at the President Contact.

Our water location is that we'de schaufer from the Lower Wilcox Aquiller. The source water assessment has been completed for our guide, waiter system to determine the overall succeptibility of the challenges water system continue the overall succeptibility determinations were made has been strated to our public water system and its revaluable to weight poor requires. The weight for the formal familier fraction of the Montheast Remove Water Association have included been mixings in terms of strangebody to continuation.

We recursively member for contaminating in your dimission water according to reducts and State laws. This table believe lists at of the demand water contaminating flower water and the contamination of the contamination

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Meaning Contaminant Level (MCL) - The "Mandrum Allowed" (MCL) in the highest level of a contaminant that is allowed in delating senter. MCLs are set on the MCLCs as health using the best evaluable trainformation.

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corresponds to one minute in 2,000 years, or a single penny in \$10,000,000. Level 1 Assessment A study of the water system to identify potential proba-in our value system.

nime (if Possible) why an £ cott MCL violation Lever 2 Assassment. A very detailed study of the water system to identity potential problems and deter has occurred entifor why total collisions bacteria have been found in our within system.

PWS 1D# 350003- Preston	350003-	Preston		TEST RESULTS	LTS			
Containing	Violetion	Collected	Centron	Repair of Detects or	Monthle County	D D	MCC	Asiety Source of Contembración
Inorganic Contaminants	Contam	inants						Service of the last
10 Berlum	Z	A102	9114	No Range	udd	24	2	20.0
17. Land	2	2014/20*		o.	odd	D	ALETS	Corresion of nonselved plumbing
10. Mitogen) Mitogeni	z	2021	202	Min Rankpe	LL Didd	9	0	ALC: U
Sodam	z	2019*	2100	No Range	bbs	0	0	4.00
Disinfection By-Products	n By-Pr	oducts					100	
RI HAAS	2	1282	3.01	No Pange	900	0	99	By-Product of diristing water
Fotal (Total Rikalomethanns)	z	1202	170	No Range	gdd	0	69	By product of drinking water distrinstice.
Chickins	z	2021	2	1,25 - 171	Jou.	0	MRDL = 4	Water attent used to control microbes.

82 TTHM	1000	-		TO STREET AND ADDRESS OF THE PARTY OF THE PA		-		dishinisation.
[Total trihalometranes]	N	2021	9.44	No Range	ppb	0	. 60	By-product of crinding water chlorination.
Chiorine	N	2021	1.4	1.25 - 171	"mg/l	0	MERDL = 4	Water additive used to control microber

Contaminant	Violation Y/N	Collected Collected	Level Detected	Range of Detects or # of Samples Expecting MCL/ACL/MRDL	Unit Measure -o-mint s	MCL G	MCL	Likely Source of Contamination
Inorganic	Contam	inants			200	T.C.	- 7	
10 Beturn	N BI	2015	.0402	No Range	ppm	2	2	Discharge of chilling wastes, discharge from metal refinences, erosion of natural deposits
17 Lead	N	2018/20 *	0	P	bbp	D	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sadium	N	2019*	2400	No Range	bbp	0	0	Road Salt, Water Treatment Chemicale, Water Sollarers and Session Efficients.
Disinfecti	on By-Pr	oducts			257			
Chlorine	N	2021	1.4	1-2.01	mg/t	0	MIRDL = 4	Water additive used to control microbes

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Directs or if of Samples Exceeding MCLIACLARDL	Unit Mansure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic (Contam	inants	31255			7	- 100	THE RESERVE
10 Banum	N	2019*	0476	No Range	ppm	- 2	ż	Discharge of drilling wastes, docharge from meta refouries, arction of natural deposits
14. Copper	N	2016/201	2	0	ppm	13	AL¥1.5	Corrector of howestest plumbing systems, enterior of natural deposits leaching from wood preservatives
17 Lead	N	2014/201	0	•	btp	6	AL=15	Contains of household pursuin systems, erosion of natural discosts
Sodium	N	2019*	13000	No Range	ppti	0	0	Road Salt, Wilter Treatment Onemicals, Warer Schemics and Schape I Musers
Disinfection	n By-Pr	oducts					1000	
B1. HAAS	N	20181	2	No Range	ppb	0	50	By-Product of danking water disinfection.
12 TTHM Total chalomethenes)	N	2018*	1.23	No Range	ppb	C	60	By product of drinking water chargements
Chickne	N	2221	1.4	4-177	mo/l	0	MRDL + #	Water address used to covere?

PWS ID		13.33.83	All Parks	TEST RESU	LIIS			
Consuminant	Violetion YAN	Date Collected	Delacted	Pange of Detects or # of Samples Exceeding MCLYACUMADI	Unit Muisure -quent	G G	MCL	Unity Source of Contamination
Inorganic	Contam	inants						
10 Barum	N	2020*	.063	No Range	ppm	2	2	Orterange of drilling wastes discharge from metal refinence experion of natural deposits
Sodium	N	2019*	1800	No Ranga	poe	0	0	Road Sat, Water Treatment Chemicals, Water Botteriers are Sewage Ethuents
Disinfecti	on By-Pr	oducts						
Chlorine	N	2021 reserved for	14	101 - 15	mot	10	MRDL = 4	Water addition used to corned microtims

We are inquired to monitor your chinking water for specific contaminants on a monthly balls. Results of require monitoring are an indicator of whether or cod but trinking water mends howth absolutes. In an attention systems complete all increasing requirements. MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present elevated levels of lead can cause serious health problems, a precisely to propose a component of young children, can be classed as a precisely to propose and proposed of the propo

All sources of dynamic water are subject to perceive contamination by substances that are naturally occurring or man made. These substances will determ wave archading bottled water may reasonably be expected to contain at ever and amounts of some contamination. The presence of contamination of receivery indicate that the water points a heart part rate. More information about contamination and polential hearth effects can be obtained by using the Service were information about contamination and polential hearth effects can be obtained by using the Service were information about 25 Arbs.

Some people may be more vulnerable to confaminants in doneing some than the general population internue-concretioned persons send as contain with carbon undergoing chemical property with the people with HIVIAITS or other immune system disorders, some existly and interest carbon the personal off that their infections. These species about seed office should need office about the high seed of the personal property and the people with HIVIAITS or other immune system disorders. EMACDE guidelines on appropriate means to lesson the 19k of infection by Ciripmapolishum and other microbial conformations are evaluable with the Safe Orinkary Water Hotine 1 800 426 4791.

The Northwest Kemper Water Association has almost 1,800 meters and over add mass of pipe providing ower, fresh water to over 4,500 metabox in parts of a counter in start coincil Miscassippi. Our commitment to sendor is evidenced by receiving the highest syntable rating from the Miscassippi State Department of results cluster our annual Expectation.

Please Note: You may obtain a copy of this report at our office at 10798 HVVY 397 in Preston or call us at 801.877 3558.

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